

MARKED-UP VERSION SHOWING CHANGES MADE

[Fig. 3 is a graph] Figs. 3(a) through 3(c) are graphs representing the calculated value of cogging torque, torque pulsation and mean torque according to the present invention;

4. (Amended) A rotor with embedded permanent magnets according to [any one of Claims 1 to] Claim 3 characterized in that, when the radial distance between the outer periphery of said magnetic flux short circuit preventive holes and that of said rotor core is assumed as "a" closer to the q-axis, and "b" closer to the d-axis, the ratio of "a" to "b" is about 1 to 3 or 1 to 4.

5. (Amended) A rotor with embedded permanent magnets according to [any one of Claims 1 to] Claim 4 characterized in that the permanent magnet embedded in said rotor core is a flat plate magnet.

6. (Amended) A rotor with embedded permanent magnets according to [any one of Claims 1 to] Claim 4 characterized in that the permanent magnet embedded in said rotor core is designed in a concave arch-shaped form with respect to the outer periphery of the rotor.

7. (Amended) A rotor with embedded permanent magnets according to [any one of Claims 1 to] Claim 4 characterized in that the permanent magnet embedded in said rotor core is designed in a convex arch-shaped form with respect to the outer periphery of the rotor.

8. (Amended) A rotor with embedded permanent magnets according to [any one of Claims 1 to] Claim 4 characterized in that the permanent magnet embedded in said rotor core is designed in a V shape in each magnetic pole.

9. (Amended) A rotor with embedded permanent magnets according to [any one of Claims 1 to] Claim 8 characterized in that a non-magnetic substance is inserted in said magnetic flux short circuit preventive hole.